

The U.S. Support Program to IAEA Safeguards

NMMSS Users' Training Meeting 2016

New Orleans, LA

May 9-12, 2016

Susan E. Pepper

Nonproliferation and National Security Department

BROOKHAVEN
NATIONAL LABORATORY

a passion for discovery



International Atomic Energy Agency

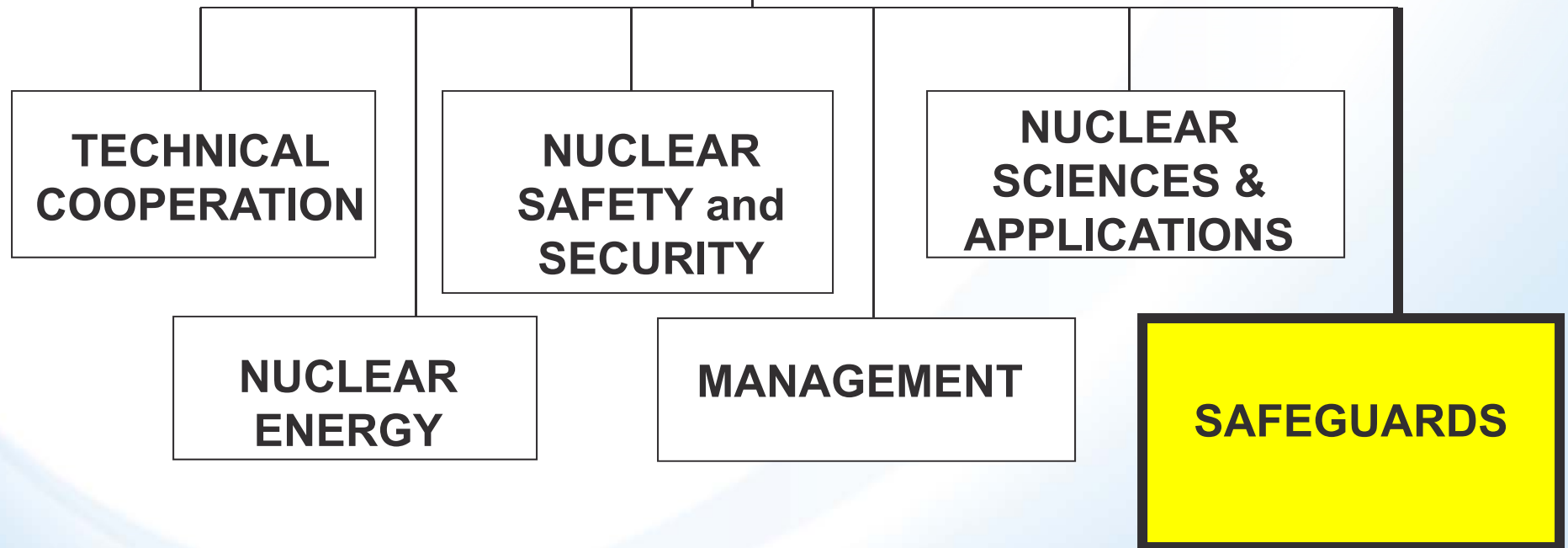
- Established in 1947
- Located in Vienna, Austria
- Affiliated with the United Nations
- Promotes the peaceful uses of nuclear energy and prevents the spread of nuclear weapons
- Budget ~\$350M



**Director General
Yukiya Amano**



*Atoms for Peace: The First Half Century
1957–2007*



U.S. Support Program to IAEA Safeguards

Purpose: Provide a mechanism to transfer technology available in the United States and augment the IAEA's regular budget for Safeguards activities with U.S.-sponsored expertise, technology, equipment, and techniques

Established: 1977

Sponsor: U.S. Department of State

FY 2016 Funding: \$12 million (over \$220M lifetime)

Active Tasks: ~80 (over 1200 lifetime)

One of 21 Member State Support Programs

International Safeguards Project Office

- Operated at Brookhaven National Laboratory since 1977
- Manages the USSP for the U.S. government
 - Technical oversight
 - Financial tracking
 - Recruitment of U.S. citizens for positions with the IAEA
- Offices at BNL and in Vienna, Austria

Brookhaven National Laboratory

Nonproliferation and National Security Department

Susan Pepper, Chair

International Safeguards Project Office

Raymond Diaz - Project Office Head

Teresa Montuori - Administrative Support

New York

Joe Carbonaro - Task Monitor

Josh Tackentien - Task Monitor
(Next Liaison Officer)

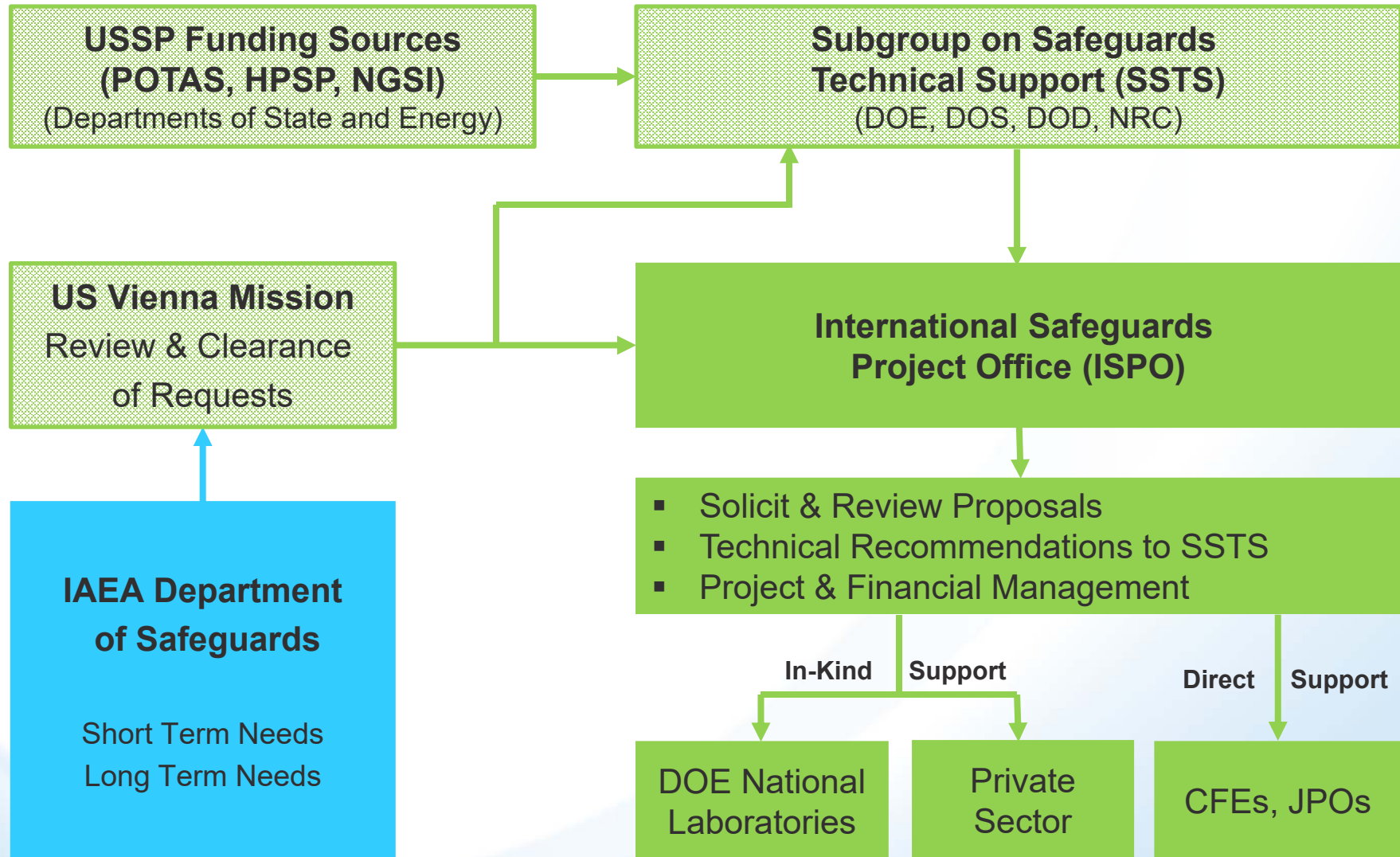
Ron Webster – Task Monitor

Deborah Johnson - Financial
Specialist

Vienna

Barbara Hoffheins - Liaison Officer
(Returning to BNL in April 2017)

USSP to IAEA SG Department



USSP Funded Work

FY16 POTAS - \$12.4 Million

Equipment
Development
& COTS



Training



Concepts and
Approaches



Technical Expertise

CFEs (11)

JPOs (8)

Consultants



Materials Control
and Accountability

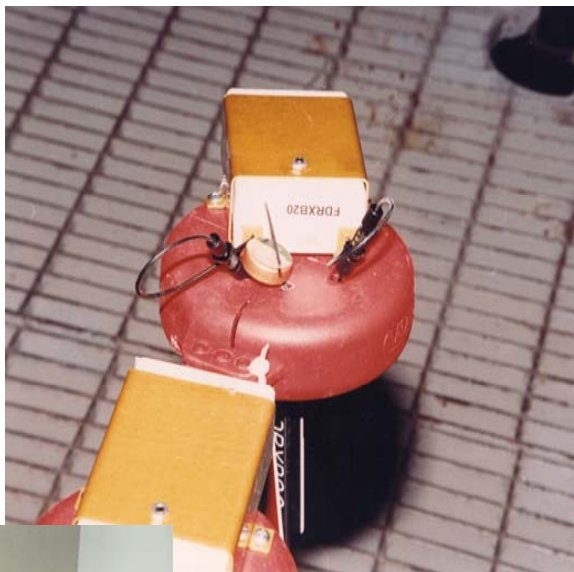


Information
Management



Seals

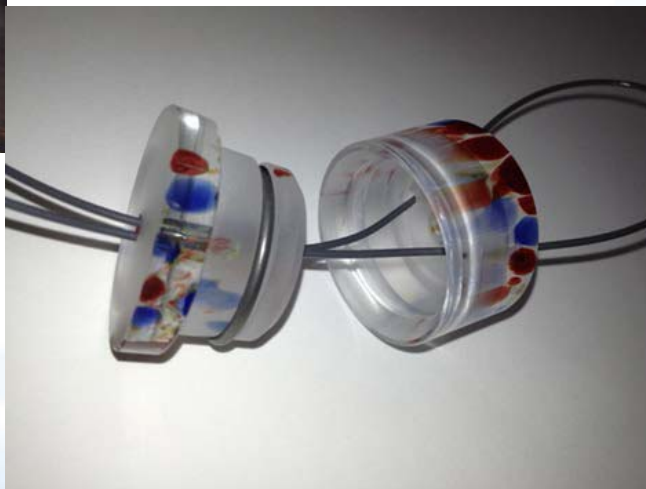
Metal Cap Seal



Ultra Sonic Sealing Bolt



Glass Seal



VACOSS Seal



Tamper Indicating Cover

Work Performed by U.S. National Labs and Contractors



- USSP has funded more than 80 U.S. contractors

IAEA Staffing Needs

- Physicists
- Nuclear Engineers
- Chemists/Chemical Engineers
- Electrical Engineers
- Industrial Engineers
- Computer Scientists
- Data Analysts
- Political Scientists
- Geospatial Information Systems

IAEA Positions

- Material accountancy
- Software development
- Satellite imagery analysis
- Training
- Safeguards approaches
- Quality management
- Equipment development, testing, integration, and maintenance
- Communications
- Open source information analysis

Benefits of Employment

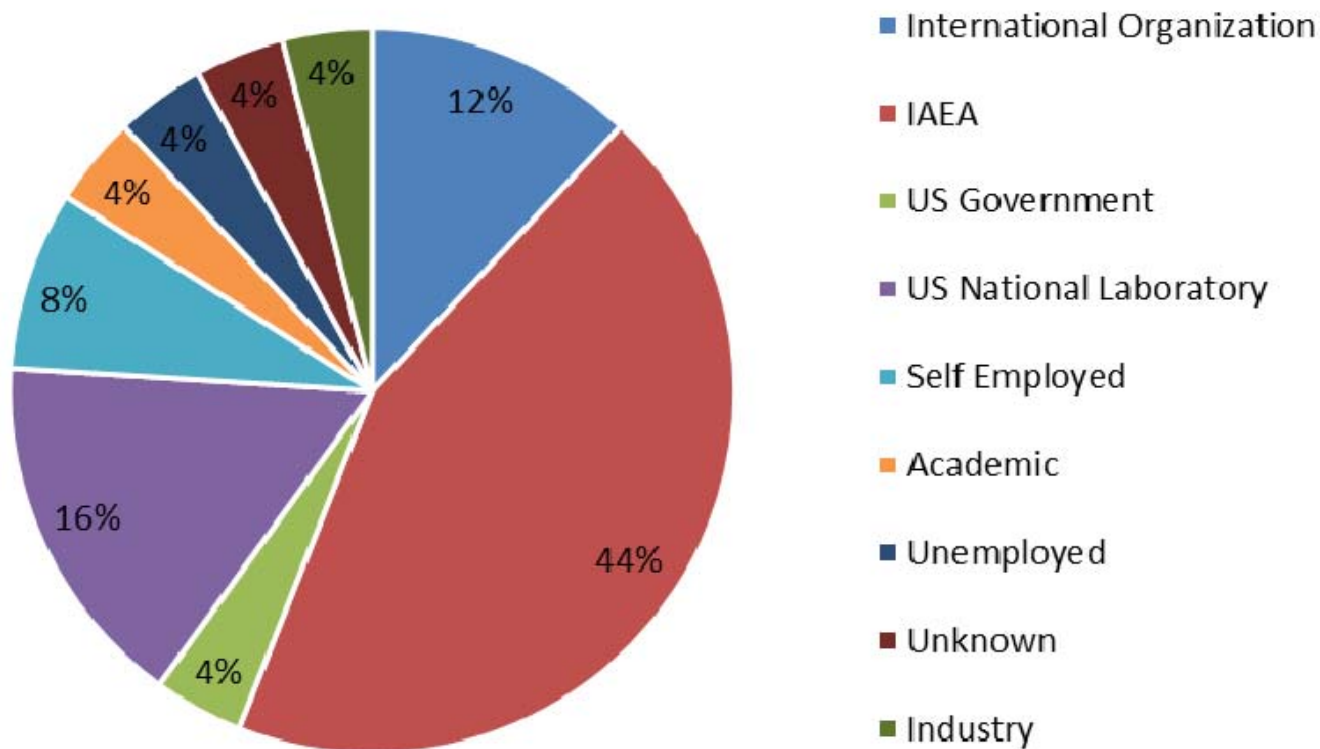
- Salaries & benefits of UN Common System
(Education grant, rental subsidy, dependency allowances)
- Relocation expenses
- Family support services
(Housing, schooling, child-care center)
- 6 weeks annual leave & home leave
- Compensatory time off
- Medical insurance and pension plan
- Training and staff development
- Flexible working hours



Job Categories

- Junior Professional Officers - Extrabudgetary
 - Early career
 - 0-2 years' experience
 - College degree
 - Less than 32 years of age
- Cost Free Experts - Extrabudgetary
 - Mid- to late-career
- Regular Staff – Regular Budget
 - Mid- to late-career

Employer Immediately Following JPO Assignment



Thank You!!

See me later for more information on
IAEA employment opportunities.